

**Installation Procedures (IP) for
Net Centric Capabilities Pilot (NCCP) V#.#
Mediation Services V#.#
XML Translation Service V0.21**

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Draft

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1. Scope

This document describes the installation procedures for the XML Translation Service.

1.1 Identification

The software addressed in this document is as follows:

Software Name	Version Number	Platform
XML Translation Service	0.21	Solaris 8

1.2 System Overview

The XML Translation Service demonstrate the use of the Metadata Registry's runtime API set and allows us to identify and document issues in performing mediation within a loosely coupled Web service environment.

1.3 Document Conventions

The following conventions are used in this document.

- Button labels are represented with **bold text**.
- Directories, filenames, and command line typing are represented with monospaced font.
- When using graphical installers, each numbered step refers to a single screen in the installer. There is generally a button labeled **Next**, or **Enter**, or **OK**, to continue to the next screen. It is presumed that you will click on this button after following all the instructions for that screen.
- When typing is displayed on the Windows machine, it is presumed that you are in a cmd window, unless otherwise specified.

2. System Environment

The system environment and its requirements for the XML Translation Service are detailed in the following paragraphs.

2.1 System Requirements

2.1.1 Hardware Requirements

The XML Translation Service requires a Solaris 8 machine with 200M of disk space.

2.1.2 Operating System Requirements

The XML Translation Service requires Solaris 8.

2.2 System and Site Preparations

2.2.1 System Configuration

The following must be installed on the machine prior to installing the XML Translation Service:

- Java Version 1.4.1
- Apache Web Server (only needed for testharness)
- Tomcat Java Servlet Engine (only needed for testharness)

2.2.2 Operating System Preparation

The person performing the XML Translation Service installation must have access to log into the machine as root.

3. Installation Instructions

The FGM-created installation CD contains all the required software components for the XML Translation Service.

3.1 Installation Procedures

To install the XML Translation Service:

1. Login as root.
2. Identify a filesystem where there is sufficient space for the installation (minimum of 200M). This directory will be identified as the <install directory>.
3. Create a softlink in the identified filesystem named /export/home by doing the following command:

```
ln -s <install directory> /export/home
```

4. Change directory to /export/home.

```
cd /export/home
```

5. Untar the file off of the CD.

```
tar -xvfp /cdrom/cdrom0/TranslationService-0.21.tar
```

6. Modify the /etc/hosts file to put an alias to tiburon next to your host name. For example, the host file may read:

```
127.0.0.1    localhost
10.10.100.1  mymachine
```

After the modification, the file should read:

```
127.0.0.1    localhost
10.10.100.1  mymachine tiburon
```

7. Modify the /export/home/SonicSoftware/SonicESB/bin/setenv.sh file so that the JAVA_HOME variable points to the jre directory of the installed Java 1.4.1 software development kit.

The JAVA_HOME variable originally reads:

```
# The home directory of the version 1.4.1 jvm
JAVA_HOME="/export/home/J2SDK_1.4.1/jre
```

After the modification, the JAVA_HOME variable should read should read:

```
# The home directory of the version 1.4.1 jvm
JAVA_HOME="<Java 1.4.1 SDK root directory>/jre"
```

8. Modify the SONICMQ_JRE and MGMTCONSOLE_JRE entries in the /export/home/SonicSoftware/SonicMQ/bin/setenv file to point to the installed Java 1.4.1 software development kit.

Originally, the SONICMQ_JRE and MGMTCONSOLE_JRE entries will read:

```
# Path to Java executable
SONICMQ_JRE="/export/home/J2SDK_1.3.1/jre/bin/java"

#Management Console requires Java 1.4.1 executable
MGMTCONSOLE_JRE="/export/home/J2SDK_1.4.1/jre/bin/java"
```

After the modification, the SONICMQ_JRE and MGMTCONSOLE_JRE entries should read:

```
# Path to Java executable
SONICMQ_JRE="<Java 1.4.1 SDK root directory>/jre/bin/java"

#Management Console requires Java 1.4.1 executable
MGMTCONSOLE_JRE="<Java 1.4.1 SDK root directory>/jre/bin/java"
```

9. Create a soft link to the testharness directory. (Please note that the following command should be typed on one line.)

```
ln -s
/export/home/SonicSoftware/SonicMQ/samples/HttpDirect/SoapInbo
undSend /testharness
```

3.2 Initializing the Software

3.2.1 Starting the SonicMQ Broker and Mediation Translation Service

To start the SonicMQ Broker and XML Translation Service:

1. Log onto the system console as root.
2. Change directory to the /export/home/SonicSoftware/SonicMQ/bin directory:

```
cd /export/home/SonicSoftware/SonicMQ/bin
```
3. Execute startcontainer.sh to begin the SonicMQ broker as a background process:

```
./startcontainer.sh &
```

4. Verify that the broker started successfully. You should notice this by receiving the following messages

```
ID=Broker1 (info) SonicMQ Broker started
(info) Startup complete
ID=AGENT (info) Connection established
(info) Reconciling local configuration cache with Directory
Service...
(info) ...reconciling complete
```

5. Change directory to the /export/home/SonicSoftware/SonicESB/bin directory:

```
cd /export/home/SonicSoftware/SonicESB/bin
```

6. Execute MediationContainer.sh to begin the Mediation Translation Service as a background process:

```
./MediationContainer.sh &
```

7. Verify that the broker started successfully. You should notice this by receiving the following messages

```
(info) Startup complete
```